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((voice adj4 command\$4) same (remote control\$4)) and computer

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Document Number 2

Entry 2 of 37

File: USPT

Dec 14, 1999

US-PAT-NO: 6003072

DOCUMENT-IDENTIFIER: US 6003072 A

TITLE: Multi-media data processing device with remote control device that also has voice input means and hand-sized unit for use in such data processing device
DATE-ISSUED: December 14, 1999

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Gerritsen; Frans A.	Eindhoven	N/A	N/A	NLX
Horndl; Manfred	Horn	N/A	N/A	ATX

ASSIGNEE INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY	TYPE CODE
U.S. Philips Corporation	New York	NY	N/A	N/A	02

APPL-NO: 8/ 269818

DATE FILED: June 30, 1994

FOREIGN-APPL-PRIORITY-DATA:

FOREIGN-PRIORITY:

FOREIGN-PRIORITY-APPL-NO: EP 93201909

FOREIGN-PRIORITY-APPL-DATE: July 1, 1993

INT-CL: [6] G06F 15/46

US-CL-ISSUED: 709/218; 340/825.72, 341/176

US-CL-CURRENT: 709/218; 340/825.72, 341/176

FIELD-OF-SEARCH: 340/825.72, 340/825.69, 341/176,
364/400, 395/200.09, 395/2, 178/31, 709/218, 709/238

REF-CITED:

U.S. PATENT DOCUMENTS

PAT-NO	ISSUE-DATE	PATENTEE-NAME	US-CL
<u>4461013</u>	July 1984	Lese et al.	375/65
<u>4931950</u>	June 1990	Isle et al.	395/11
<u>5086385</u>	February 1992	Launey et al.	364/188
<u>5283819</u>	February 1994	Glick et al.	379/90
<u>5335276</u>	August 1994	Thompson et al.	380/21
<u>5335313</u>	August 1994	Douglas	395/2.84
<u>5408582</u>	April 1995	Colier	395/2.52
<u>5469192</u>	November 1995	Allen et al.	345/157
<u>5500936</u>	March 1996	Allen et al.	395/156

FOREIGN PATENT DOCUMENTS

FOREIGN-PAT-NO	PUBN-DATE	COUNTRY
0402911	December 1990	EP
0538794	April 1993	EP

ART-UNIT: 273.3

PRIMARY-EXAMINER: Donaghue; Larry D.

ATTY-AGENT-FIRM: Renfrew; Dwight H.

ABSTRACT:

A multi-media data processing device has a visual display, storage, and a user interface with voice input and a manually actuatable remote control. In particular, the remote control and the voice input device are physically integrated to a hand-sized unit. Combining discrete manipulatory control signals and voice input signals allows to select and annotate transiently displayed pictures. Advantageously, the hand-sized unit is wireless.

13 Claims, 4 Drawing figures

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Document Number 18

Entry 18 of 37

File: USPT

Sep 1, 1998

US-PAT-NO: 5802467

DOCUMENT-IDENTIFIER: US 5802467 A

TITLE: Wireless and wired communications, command,
control and sensing system for sound and/or data
transmission and reception

DATE-ISSUED: September 1, 1998

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Salazar; Joe Andrew	Lompoc	CA	N/A	N/A
Molero-Castro; Luis	Madrid	N/A	N/A	ESX

ASSIGNEE INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY	TYPE CODE
Innovative Intelcom Industries	Lompoc	CA	N/A	N/A	02

APPL-NO: 8/ 535801

DATE FILED: September 28, 1995

INT-CL: [6] H04M 11/00

US-CL-ISSUED: 455/420; 455/419, 340/825.72

US-CL-CURRENT: 455/420; 340/825.72, 455/419

FIELD-OF-SEARCH: 379/56, 379/102, 379/96, 379/58,
379/67, 455/89, 455/231, 455/420, 455/556, 455/566,
455/402

REF-CITED:

U.S. PATENT DOCUMENTS

PAT-NO	ISSUE-DATE	PATENTEE-NAME	US-CL
<u>4338492</u>	July 1982	Snopko	179/2
<u>4349701</u>	September 1982	Snopko	179/2TV
<u>4356509</u>	October 1982	Skerlos et al.	358/85
<u>4377729</u>	March 1983	Stacy	179/2TV
<u>4392022</u>	July 1983	Carlson	179/2TV
<u>4414432</u>	November 1983	Skerlos et al.	179/2TV
<u>4427847</u>	January 1984	Hofmann et al.	179/2TV
<u>4456925</u>	June 1984	Skerlos et al.	358/85
<u>4465902</u>	August 1984	Zato	179/2TV
<u>4482947</u>	November 1984	Zato et al.	364/138
<u>4508935</u>	April 1985	Mastromoro	179/2EA
<u>4626847</u>	December 1986	Zato	340/825.56
<u>4718112</u>	January 1988	Shinoda	455/231
<u>4775996</u>	October 1988	Emerson et al.	379/56
<u>4855746</u>	August 1989	Stacy	341/176
<u>4999622</u>	March 1991	Amano et al.	340/825.72
<u>5138649</u>	August 1992	Krisbergh et al.	455/420
<u>5268666</u>	December 1993	Michel et al.	455/402
<u>5341167</u>	August 1994	Guichard et al.	348/14
<u>5369685</u>	November 1994	Kero	379/67
<u>5428388</u>	June 1995	Von Bauer et al.	455/556
<u>5481595</u>	January 1996	Ohashi et al.	379/67
<u>5584054</u>	December 1996	Tyneski et al.	455/565

FOREIGN PATENT DOCUMENTS

FOREIGN-PAT-NO	PUBN-DATE	COUNTRY
0133798	June 1988	JP
429202	May 1991	GB

OTHER PUBLICATIONS

Installation Manual--Jerrold Starfone.RTM. Two-Way Converters Impulse 7000 Series, published by General Instrument, Jerrold Division, Technical Publications Department (Jun. 1988).

ART-UNIT: 274

PRIMARY-EXAMINER: Bost; Dwayne D.

ASSISTANT-EXAMINER: Wyche; Myran K.

ATTY-AGENT-FIRM: Sofer & Haroun, LLP

ABSTRACT:

An interactive microprocessor based wireless communication device includes sound and data transceivers, signal detection and coupling devices, signal conversion device, voice recording, playback and storage device, voice activated device, display device,

touch screen or similar device, sensors, frequency generation device, sound detection and reproduction devices and power source to concurrently perform generalized two way wireless communications, command, control and sensing functions utilizing radio and infra-red frequency communication links. A microprocessor receives signals from the touch screen and generates a digital data, command/or control signal for transmission to external devices such as home appliances and remote sensors. The microprocessor also responds to voice signal commands received via microphone and a voice processor. The microprocessor uses this signal to generate data, command/or control signals for transmission to external devices such as telephone, paging and intercom systems. Sound signals may be stored in a voice recorder and playback IC for subsequent message processing and coupling to a transceiver and/or a speaker. Telephone ringer signals are generated by the microprocessor and are coupled to a ringer for audio output. In response to certain commands, the wireless communication device establishes a communication link with external devices using radio frequency or infra-red frequency transmission and/or reception. Sensor signals are created by sensors that can detect physical differential changes and that can convert the changes into measurements. These signals are coupled to the microprocessor for further processing, display and/or transmission.

34 Claims, 10 Drawing figures

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Entry 1 of 37

File: USPT

Mar 14, 2000

US-PAT-NO: 6038367

DOCUMENT-IDENTIFIER: US 6038367 A

TITLE: Playing a Video Responsive to a comparison of two sets of Content Preferences

DATE-ISSUED: March 14, 2000

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Abecassis; Max	Miami	FL	33179	N/A

US-CL-CURRENT: 386/46; 386/83

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	KWIC	Image
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☐ 2. Document ID: US 6003072 A

Entry 2 of 37

File: USPT

Dec 14, 1999

US-PAT-NO: 6003072

DOCUMENT-IDENTIFIER: US 6003072 A

TITLE: Multi-media data processing device with remote control device that also has voice input means and hand-sized unit for use in such data processing device

DATE-ISSUED: December 14, 1999

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Gerritsen; Frans A.	Eindhoven	N/A	N/A	NLX
Horndl; Manfred	Horn	N/A	N/A	ATX

US-CL-CURRENT: 709/218; 340/825.72, 341/176

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	KWIC	Image
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☐ 3. Document ID: US 6002394 A

Entry 3 of 37

File: USPT

Dec 14, 1999

US-PAT-NO: 6002394

DOCUMENT-IDENTIFIER: US 6002394 A

TITLE: Systems and methods for linking television viewers with
advertisers and broadcasters

DATE-ISSUED: December 14, 1999

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Schein; Steven M.	Menlo Park	CA	N/A	N/A
O'Brien; Sean A.	San Jose	CA	N/A	N/A
Leftwich; James Jay	Palo Alto	CA	N/A	N/A
Broughton; Susan	Tracy	CA	N/A	N/A

US-CL-CURRENT: 345/327; 348/10, 348/12, 348/13, 348/6

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	KWIC	Image
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☐ 4. Document ID: US 5982355 A

Entry 4 of 37

File: USPT

Nov 9, 1999

US-PAT-NO: 5982355

DOCUMENT-IDENTIFIER: US 5982355 A

TITLE: Multiple purpose controls for electrical systems

DATE-ISSUED: November 9, 1999

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Jaeger; Denny	Oakland	CA	94611	N/A
Twain; Kenneth M.	Oakland	CA	94619	N/A

US-CL-CURRENT: 345/161; 345/172

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	KWIC	Image
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☐ 5. Document ID: US 5977964 A

Entry 5 of 37

File: USPT

Nov 2, 1999

US-PAT-NO: 5977964

DOCUMENT-IDENTIFIER: US 5977964 A

TITLE: Method and apparatus for automatically configuring a system based on a user's monitored system interaction and preferred system access times

DATE-ISSUED: November 2, 1999

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Williams; Christopher D.	Soquel	CA	N/A	N/A
Goldschmidt Iti; Jean M.	San Jose	CA	N/A	N/A
Shah-Nazaroff; Anthony A.	Santa Clara	CA	N/A	N/A
Watts; E. Michael	Morgan Hill	CA	N/A	N/A
Moore; Kenneth Alan	Fremont	CA	N/A	N/A
Hackson; David N.	Sunnyvale	CA	N/A	N/A

US-CL-CURRENT: 345/327; 348/10, 386/83

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	KWIC	Image
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☐ 6. Document ID: US 5970457 A

Entry 6 of 37

File: USPT

Oct 19, 1999

US-PAT-NO: 5970457

DOCUMENT-IDENTIFIER: US 5970457 A

TITLE: Voice command and control medical care system

DATE-ISSUED: October 19, 1999

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Brant; Arthur	Youngstown	OH	N/A	N/A
Mandell; Kenneth	Ellicott City	MD	N/A	N/A
Rader; R. Scott	Baltimore	MD	N/A	N/A
Walsh; Alexander	Hunt Valley	MD	N/A	N/A
deJuan, Jr.; Eugene	Phoenix	MD	N/A	N/A
Greenberg; Robert	Atlantic Beach	NY	N/A	N/A

US-CL-CURRENT: 704/275; 704/231

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	KWIC	Image
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☐ 7. Document ID: US 5960411 A

Entry 7 of 37

File: USPT

Sep 28, 1999

US-PAT-NO: 5960411

DOCUMENT-IDENTIFIER: US 5960411 A

TITLE: Method and system for placing a purchase order via a communications network

DATE-ISSUED: September 28, 1999

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Hartman; Peri	Seattle	WA	N/A	N/A
Bezos; Jeffrey P.	Seattle	WA	N/A	N/A
Kaphan; Shel	Seattle	WA	N/A	N/A
Spiegel; Joel	Seattle	WA	N/A	N/A

US-CL-CURRENT: 705/26; 345/962, 705/27

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☐ 8. Document ID: US 5953389 A

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File: USPT

Sep 14, 1999

US-PAT-NO: 5953389

DOCUMENT-IDENTIFIER: US 5953389 A

TITLE: Combination system for provisioning and maintaining telephone network facilities in a public switched telephone network

DATE-ISSUED: September 14, 1999

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Pruett; Richard O.	Herndon	VA	N/A	N/A
Casey; William C.	Chantilly	VA	N/A	N/A
Harper; Myron E.	Burtonsville	MD	N/A	N/A

US-CL-CURRENT: 379/9; 379/10, 379/15, 379/29, 379/34

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	KMIC	Image
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☐ 9. Document ID: US 5953485 A

Entry 9 of 37

File: USPT

Sep 14, 1999

US-PAT-NO: 5953485

DOCUMENT-IDENTIFIER: US 5953485 A

TITLE: Method and system for maintaining audio during video control

DATE-ISSUED: September 14, 1999

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Abecassis; Max	Miami	FL	33179	N/A

US-CL-CURRENT: 386/68; 386/99

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	KMC	Image
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☐ 10. Document ID: US 5945988 A

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File: USPT

Aug 31, 1999

US-PAT-NO: 5945988

DOCUMENT-IDENTIFIER: US 5945988 A

TITLE: Method and apparatus for automatically determining and dynamically updating user preferences in an entertainment system

DATE-ISSUED: August 31, 1999

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Williams; Christopher D.	Soquel	CA	N/A	N/A
Goldschmidt Iki; Jean M.	San Jose	CA	N/A	N/A
Shah-Nazaroff; Anthony A.	Sequel	CA	N/A	N/A
Watts; Earl Michael	Morgan Hill	CA	N/A	N/A
Hackson; David N.	Sunnyvale	CA	N/A	N/A
Moore; Kenneth Alan	Fremont	CA	N/A	N/A

US-CL-CURRENT: 345/327; 348/1, 348/10, 348/2, 455/2

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